

Appl. No. 10/709,548
Amdt. dated September 20, 2005
Reply to Office action of July 01, 2005

AMENDMENTS TO THE CLAIMS

1. (currently amended) A vertical rotary trimming apparatus for trimming a material comprising:

- 5 a base for placing the material;
 a rail mounted on the base;
 a plurality of trimming elements for trimming the material;
 a carriage slidably mounted on the rail;
 an engagement device, wherein the plurality of trimming elements are
10 rotatably connected to the engagement device, the engagement device
 capable of actuating the plurality of trimming elements by rotating on a
 plane perpendicular to the base, and the engagement device comprising
 a plurality of engagement units; and
 a fixer for engaging with the engagement units of the engagement device in
15 order to fix the positions of the engagement device and the plurality of
 trimming elements[[]], the fixer comprising:
 a first unit fixed on the carriage; and
 a second unit, wherein one end of the second unit is connected with
 the first unit and the other end of the second unit is for engaging
20 with an engagement unit of the engagement device in order to
 fix the positions of the engagement device and the plurality of
 trimming elements.

2. (cancelled)

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3. (currently amended) The apparatus of claim [[2]] 1 in which the engagement unit is a
concavity, wherein the second unit inserts into the concavity for fixing the positions
of the engagement device and the plurality of trimming elements when the second

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unit is engaged with the engagement unit.

4. (currently amended) The apparatus of claim ~~[[2]]~~ 1 wherein the second unit is engaged with ~~[[an]]~~ the engagement unit when the first unit is at a first position, and the
5 second unit is disengaged from the engagement unit when the first unit is at a second position.

5-7. (cancelled)

- 10 8. (original) The apparatus of claim 1 wherein the plurality of trimming elements comprises a first trimming element, and the perimeter of the first trimming element is sharp.

- 15 9. (original) The apparatus of claim 1 wherein the plurality of trimming elements comprises a second trimming element, and the perimeter of the second trimming element comprises sharp saw-teeth.

- 20 10. (original) The apparatus of claim 1 wherein the plurality of trimming elements comprises a third trimming element, and the perimeter of the third trimming element is wavy.

- 25 11. (original) The apparatus of claim 1 wherein the plurality of trimming elements comprises a fourth trimming element, and the perimeter of the fourth trimming element is arc-shaped.

12. (original) The apparatus of claim 1 wherein the engagement device further comprises a plurality of indications corresponding to the plurality of trimming elements, and the carriage comprises an observation window for observing an indication on the

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engagement device to allow indication of which trimming element is utilized.

13. (new) A vertical rotary trimming apparatus for trimming a material comprising:

- 5 a base for placing the material;
- a rail mounted on the base;
- a plurality of trimming elements for trimming the material;
- a carriage slidably mounted on the rail;
- an engagement device, wherein the plurality of trimming elements are
10 rotatably connected to the engagement device, the engagement device
capable of actuating the plurality of trimming elements by rotating on a
plane perpendicular to the base, and the engagement device comprising
a plurality of engagement units; and
- a fixer for engaging with the engagement units of the engagement device in
order to fix the positions of the engagement device and the plurality of
15 trimming elements, the fixer connected to the carriage and comprising:
a plurality of fixing units for engaging with the plurality of
engagement units in order to fix the positions of the engagement
device and the plurality of trimming elements when the plurality
of fixing units are engaged with the plurality of engagement
20 units, and in order to enable the engagement device to rotate
opposite to the fixer when the plurality of fixing units are
disengaged from the plurality of engagement units.

14. (new) The apparatus of claim 13 wherein each fixing unit is a prominent part and each
25 engagement unit is a concavity.

15. (new) The apparatus of claim 13 wherein each fixing unit is a concavity and each
engagement unit is a prominent part.